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J.S. ALBERICI

CONSTRUCTION CO., INC.

August 27, 1985

Monsanto Company
Route 3
Sauget, Illinois 62201

CC:
K. LICHTENHELD
L. KREH
L. BOMBICKA
D. NELSON

Attention: Mr. Ralph Martini

Re: Monsanto Project 3808
Subsurface Sewer Leakage
South Main Trunk Sewer

Gentlemen:

On Friday August 23, 1985, we left the above project in a stable, dry condition. Monday August 26, 1985 we arrived on site to an open trench from MH1-EE to MH2-CC with water depths of 12" to 24". Water marks in the trench on concrete structures and pipe indicated overall water depths of 3 to 4 feet.

Investigation of the trench revealed several entry points of water into the open excavation. One point of entry was the leaking pipe encasement across the trench between MH2-AA & MH2-BB indicated by the black oily material washed into the trench. This black oily material also washed into the trench on previous occasions was traced to the leaking encasement which is connected to existing MH2-B-2 and jumper T1.

Further investigation revealed another point of entry which is by far the most serious. Adjacent to the trench southwest of new MH2-CC is existing MH2-F which has developed a leak on the underside of the existing 24" diameter pipe encasement exiting the south side of the existing manhole. Inspecting the leaking encasement with a mirror we discovered that the existing encasement and pipe had failed. This failure, which appears to be an old failure, allowed water to flow from the failed system to our adjacent 42" trench depositing sewerage into the trench.

Preliminary inspection of the trench from MH1-EE to MH2-CC shows that additional work is required to put the trench back in order as left Friday August 23, 1985. Work to be performed as follows:

1. Pump to remove standing water.
2. Water and mud entered our 42" encasement formwork east of MH1-EE which needs to be inspected and cleaned if needed, prior to pouring.
3. Mud has been deposited on the 42" encasement base, MH2-AA, MH2-BB and inside the 42" pipe between MH1-EE and MH2-AA. This will need to be removed before we can proceed with additional work in these areas.

WGK 4084619

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4. As of Thursday August 22, 1985 we had laid several pieces of 42" pipe in the main trench east of MH2-BB. These pipes, subject to contaminated flows, need to be cleaned and re-blasted prior to setting and joint procedures.
5. In the trench from MH1-EE to MH2-AA approximately 5 curing final pass joints were subjected to possibly damaging fluid flows.
6. In the trench 1-EE to 2-AA we had eight (8) 42" joints, removed for repairs, which were also subject to possibly damaging fluid flows.

Looking for entry points of surface runoff in the trench we found that all soil dikes placed around the trench perimeter are still in tact eliminating the risk of surface water entering the open trench.

We are currently unable to determine the extent of time delay caused by the leaking pipe encasements and subsequently any clean-up and or additional work required to return the trench and its component parts as left Friday. We will advise Monsanto of this duration at a later date.

Also be advised that any costs incurred by J.S. Alberici to return the trench and its component parts to the condition as left Friday August 23, 1985 will be to the account of the Monsanto Company, as we have no responsibility for subsurface leaks or care of flow.

If you have any questions, please call.

Sincerely yours,

J. S. ALBERICI CONSTRUCTION CO., INC.


Christopher A. Lotz
Project Engineer

CJL:jf
cc: Gordon Grundmann
Bruce Steketee
Bill Koester

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